



**I-5/SR 56 Interchange Project Draft EIR/EIS  
Advance Briefing to Planning Board Chairs  
May 15, 2012**

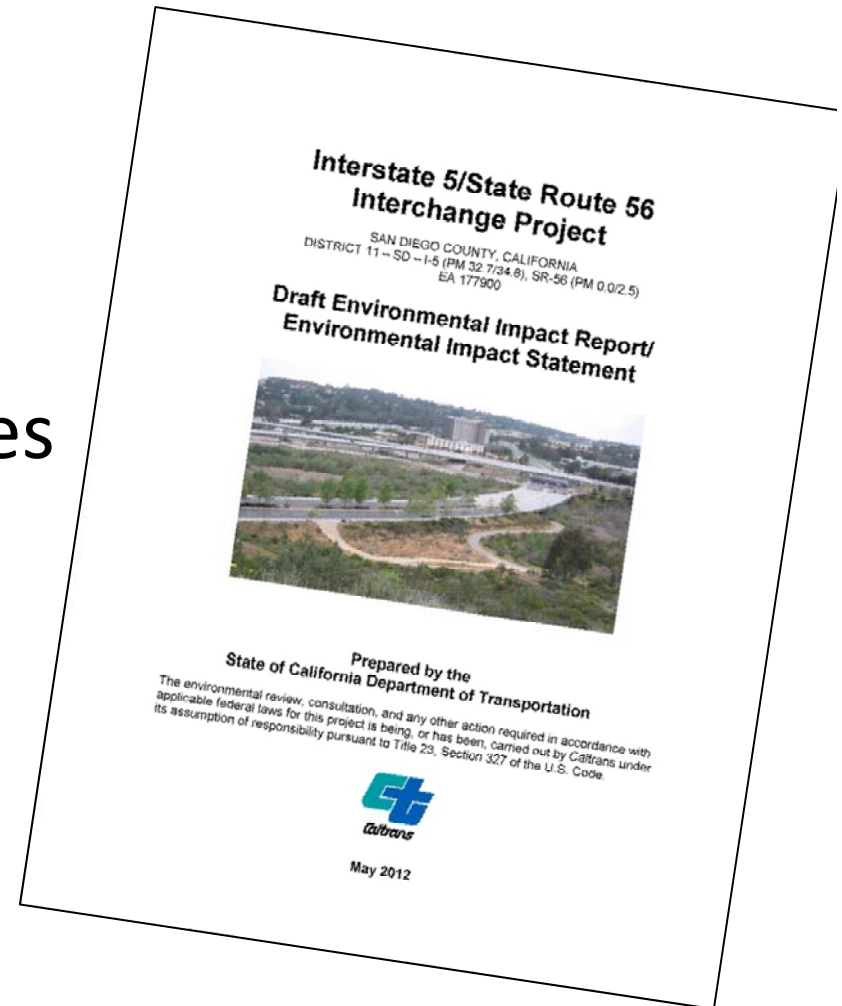


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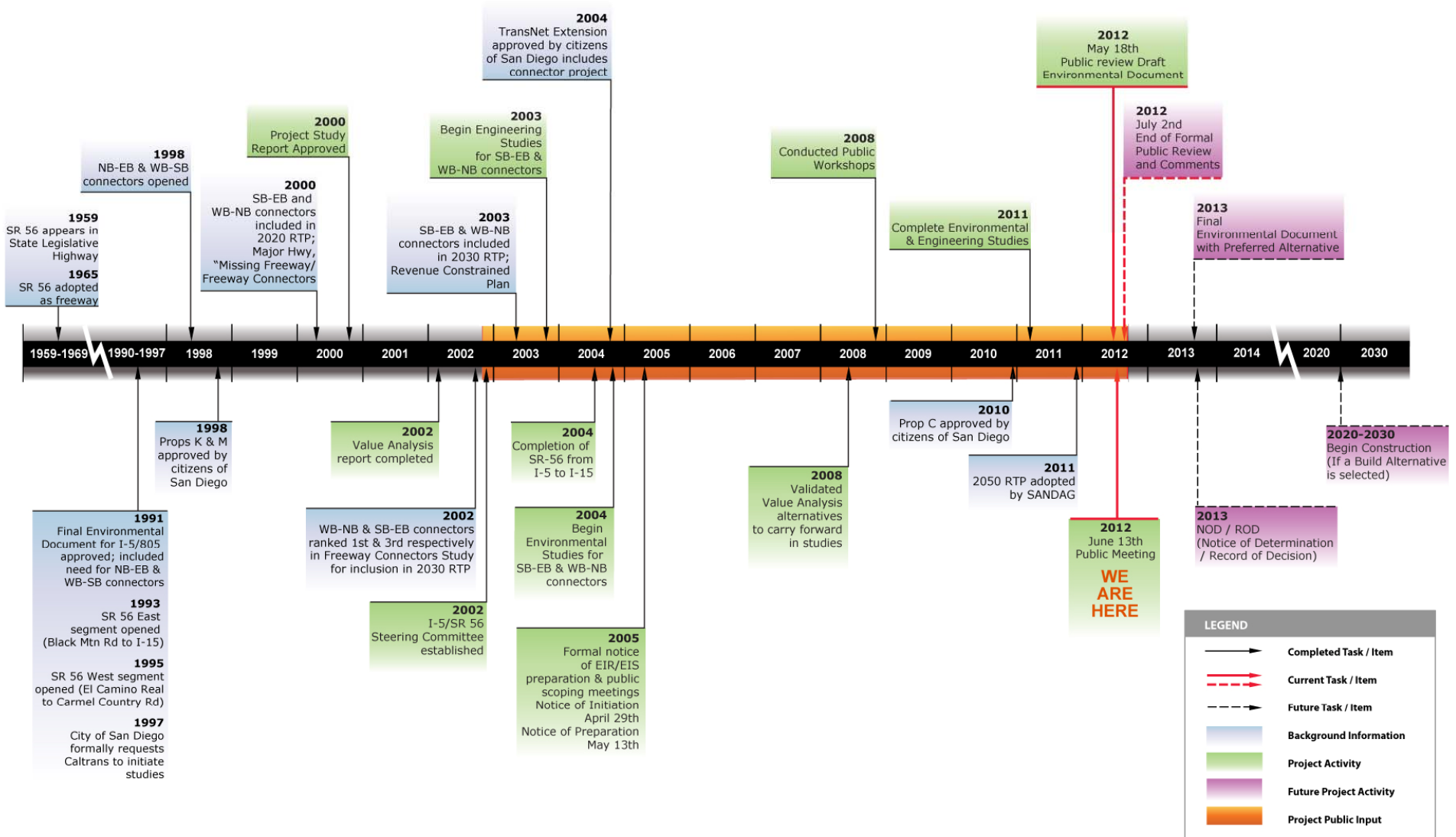
# Today's Presentation

- Project History
- Alternatives Overview
- DEIR Findings Summary
- Features and Opportunities
- Next Steps





# Project Timeline

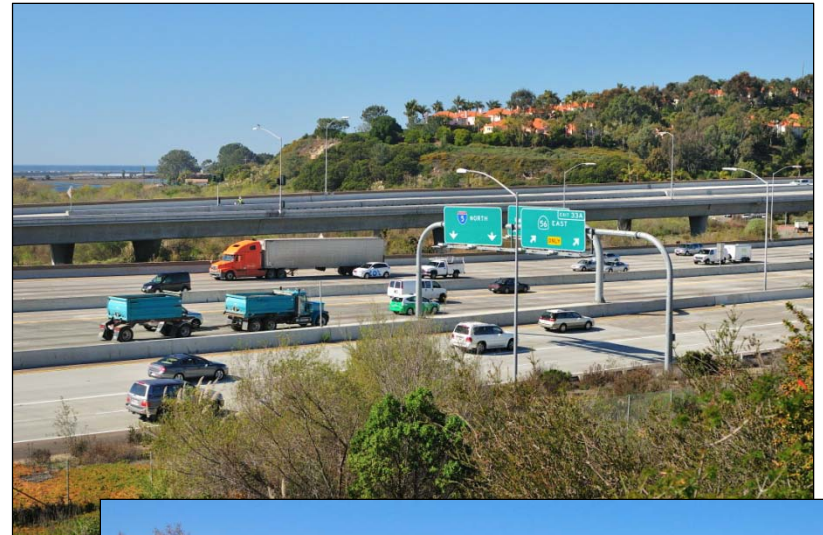




## Purpose and Need

Develop a project sensitive to the community and environment that addresses:

- Local congestion
- Cut-thru traffic
- Regional connectivity





## Alternative Development Criteria

It's a balance.

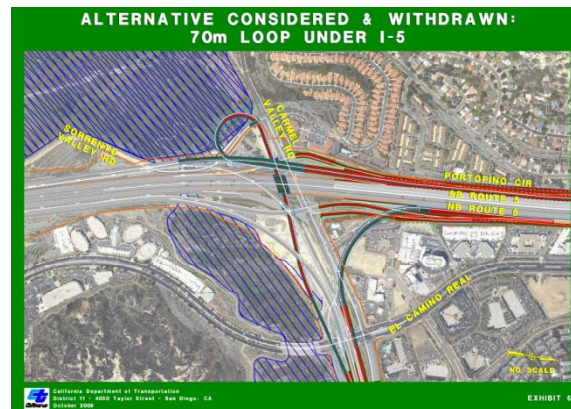
- Congestion relief
- Noise
- Visual
- Right of way
- Environment
- Cost effectiveness





# Alternatives Studied

- Approximately 17 alternatives developed
- Nearly 20 technical reports were prepared
- Five alternatives best fit the criteria





# Alternative #1: No Build



**LEGEND**

- Proposed widening and improvements
- Proposed structures





# Alternative #2: Direct Connector



**LEGEND**

- Proposed widening and improvements
- Proposed structures







# Alternative #3: Auxiliary Lane





# Alternative #4: Hybrid



**LEGEND**

- Proposed widening and improvements
- Proposed structures





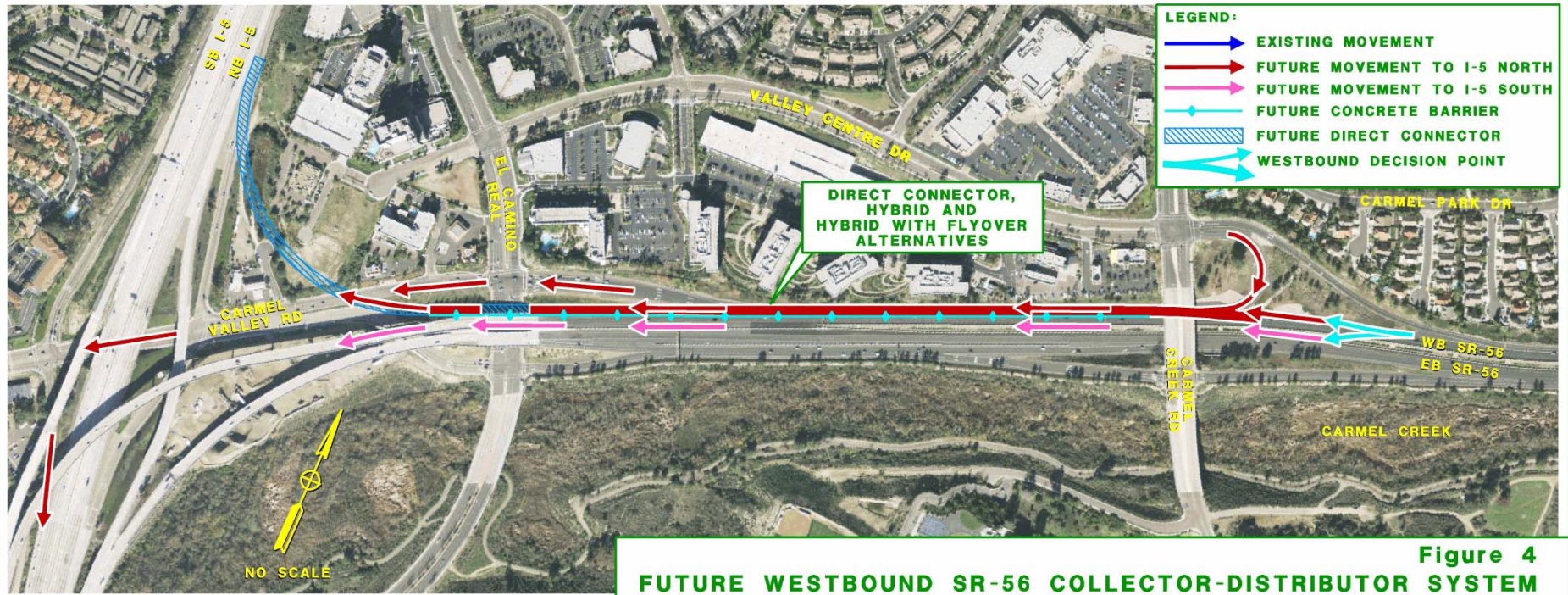
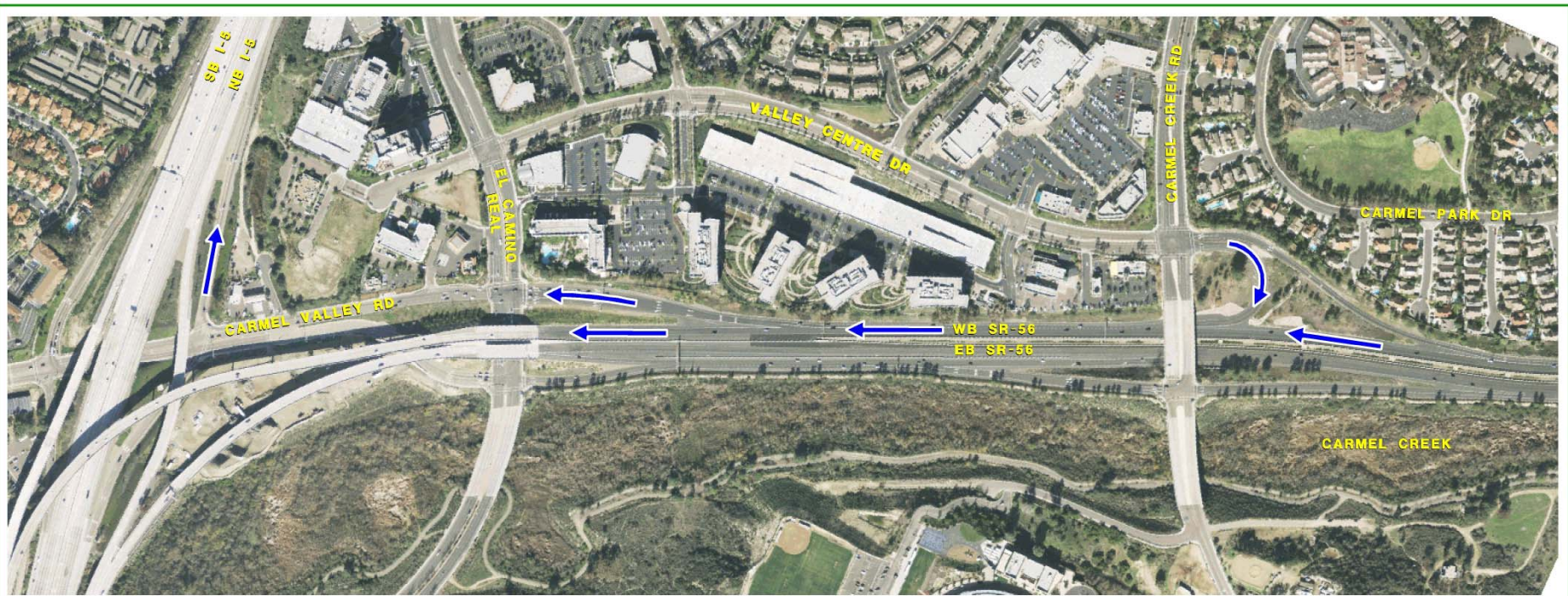
# Alternative #5: Hybrid with Flyover



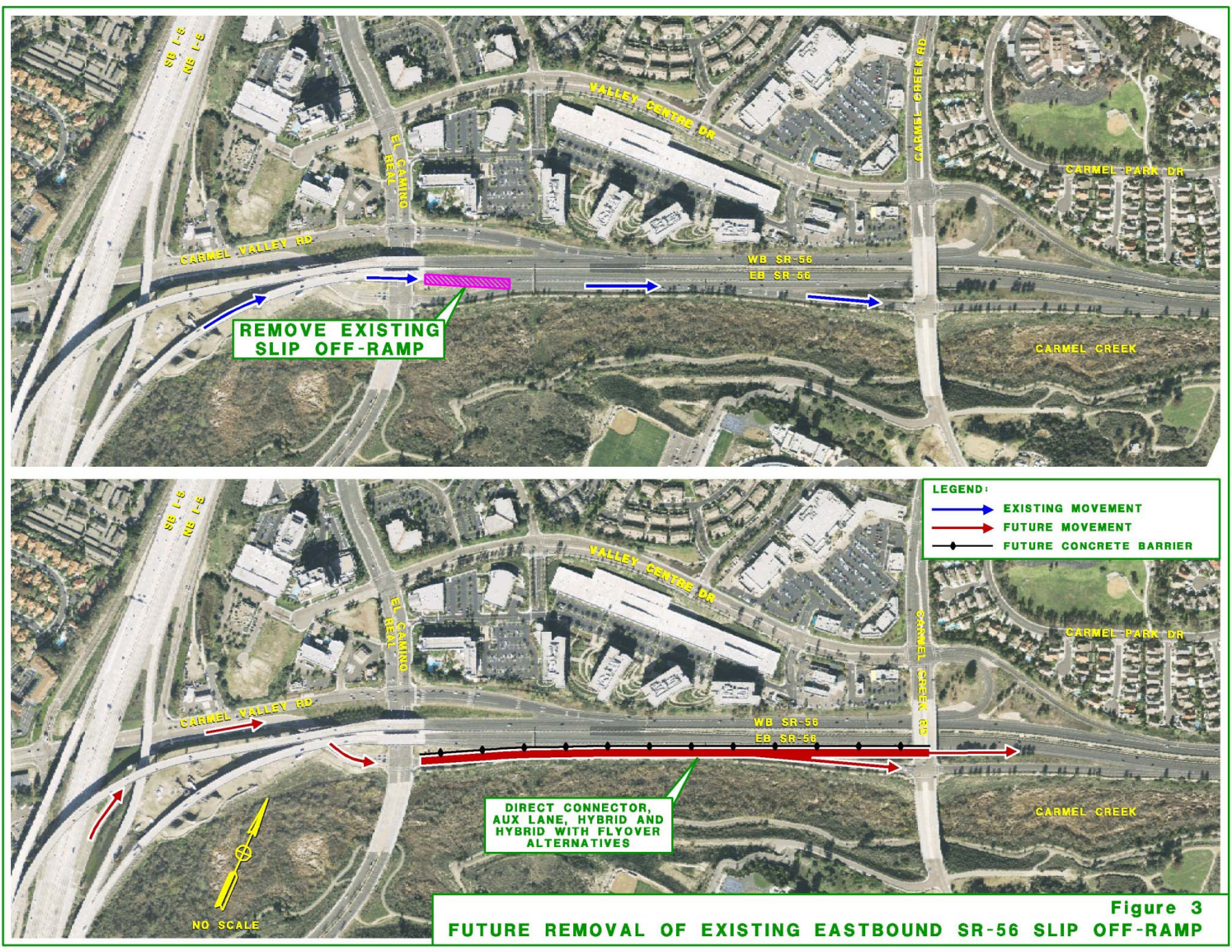
**LEGEND**

- Proposed widening and improvements
- Proposed structures





**Figure 4**  
**FUTURE WESTBOUND SR-56 COLLECTOR-DISTRIBUTOR SYSTEM**



**REMOVE EXISTING SLIP OFF-RAMP**

**LEGEND:**  
 → EXISTING MOVEMENT  
 → FUTURE MOVEMENT  
 —●— FUTURE CONCRETE BARRIER

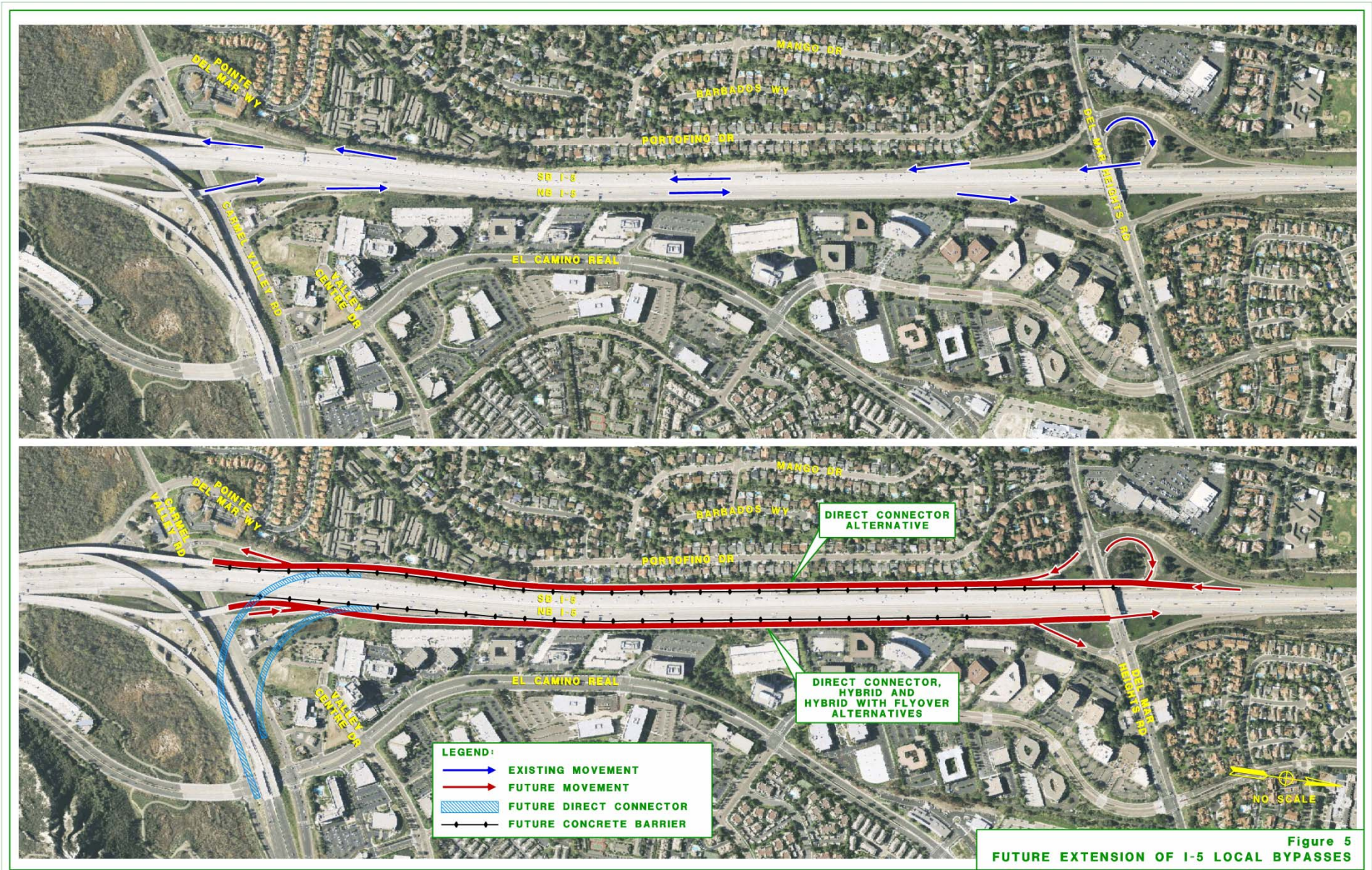
**DIRECT CONNECTOR, AUX LANE, HYBRID AND HYBRID WITH FLYOVER ALTERNATIVES**

NO SCALE

**Figure 3**  
**FUTURE REMOVAL OF EXISTING EASTBOUND SR-56 SLIP OFF-RAMP**



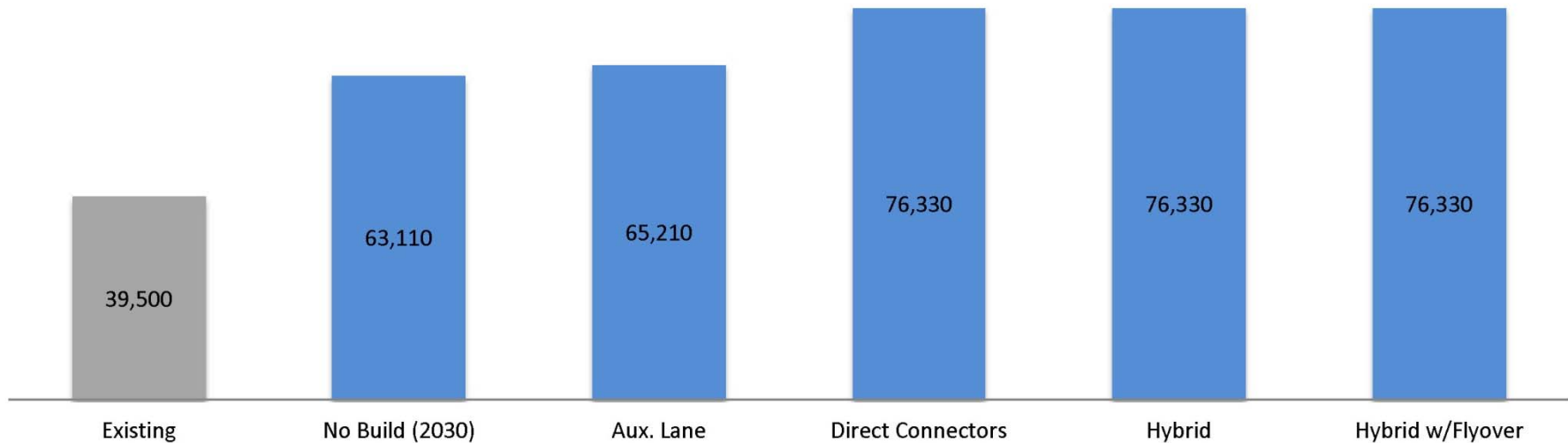
# Alternatives #2, #4 & #5: Operational Changes





## Increase in Freeway Volume due to Growth and Attraction of Local Trips Segment: Westbound SR 56 Between Camel Country Road and Carmel Creek Road

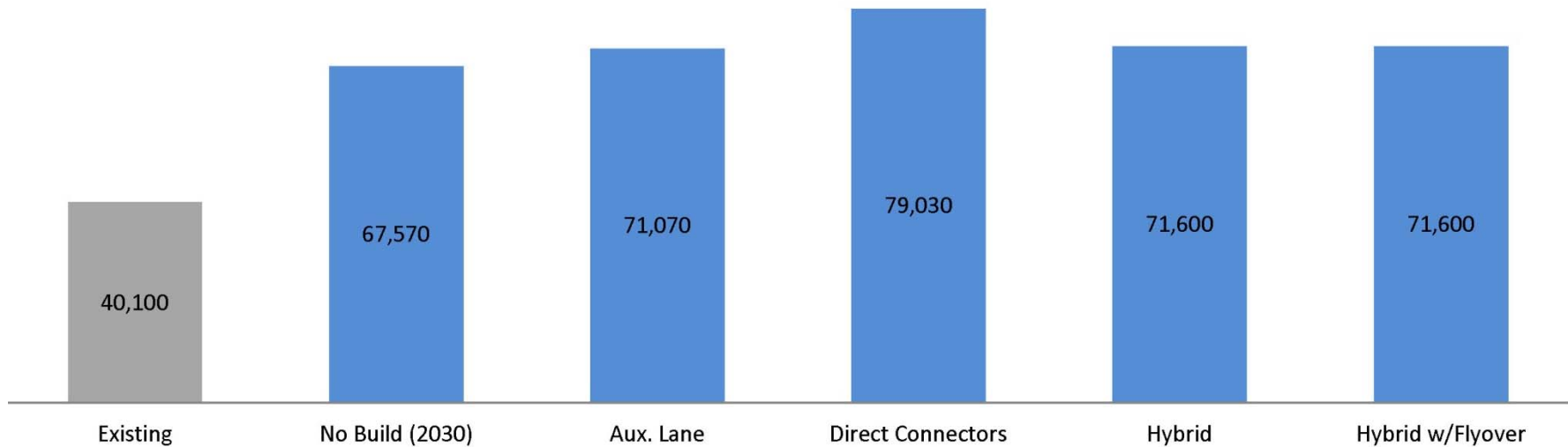
■ Total Existing Traffic Volume (Veh/Day)    ■ Traffic Volume Increase compared to No-Build





## Increase in Freeway Volume due to Growth and Attraction of Local Trips Segment: Eastbound SR 56 Between Carmel Creek Road and Carmel Country Road

■ Total No-Build Traffic Volume (Veh/Day)    ■ Traffic Volume Increase Compared to No-Build



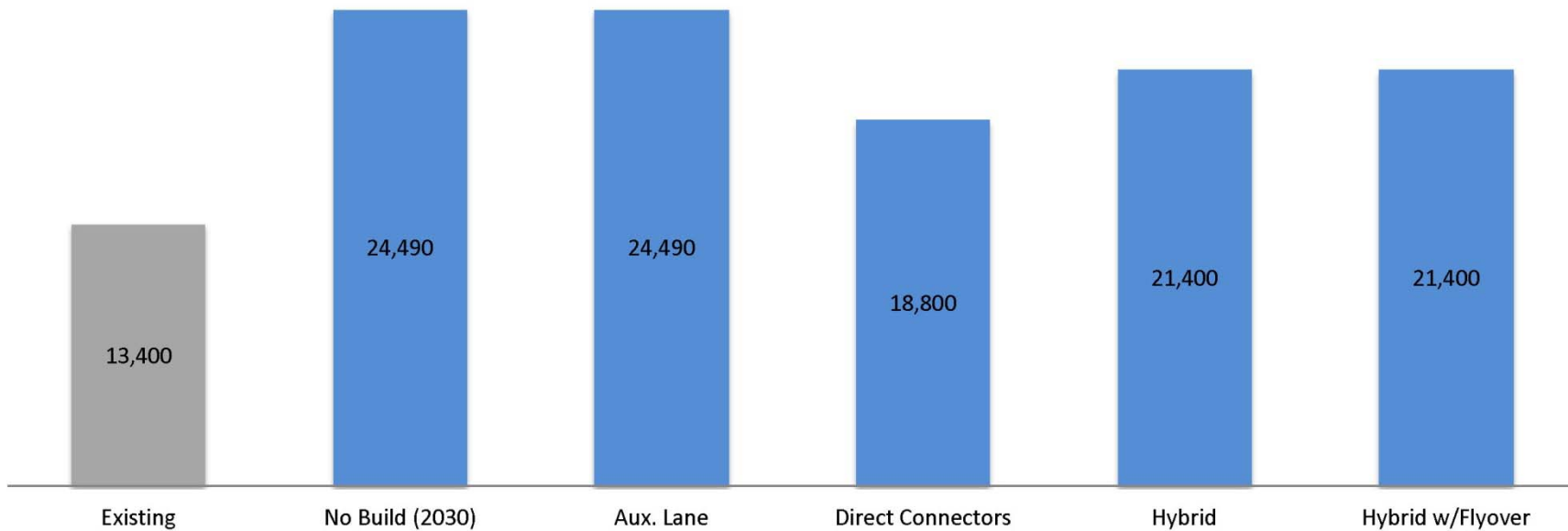




## Highway Affects on Local Traffic Volumes

Segment: Carmel Country Road Between  
Carmel Creek Road and Townsgate Drive

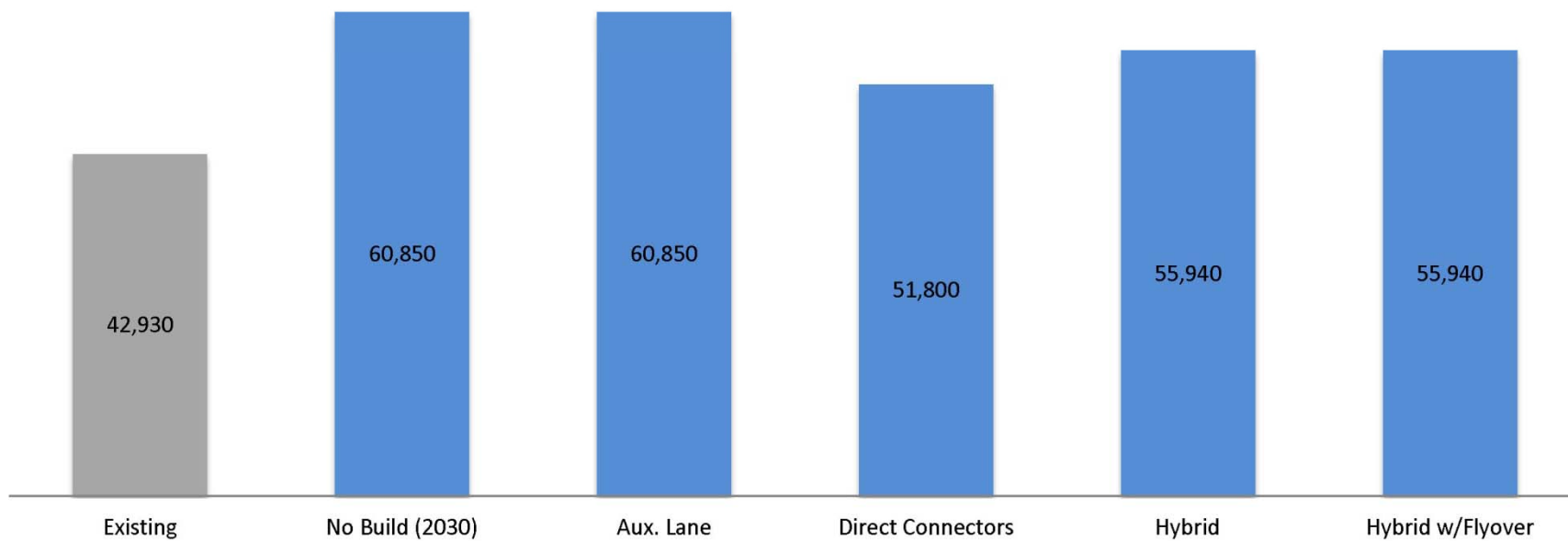
■ Total No-Build Traffic Volume (Veh/Day)    ■ Traffic Volume Decrease compared to No-Build





## Highway Affects on Local Traffic Volumes Segment: Del Mar Heights Road Between I-5 and HighBluff Drive

■ Existing Traffic Volume (Veh/Day)   ■ Projected Traffic Volume (Veh/Day)



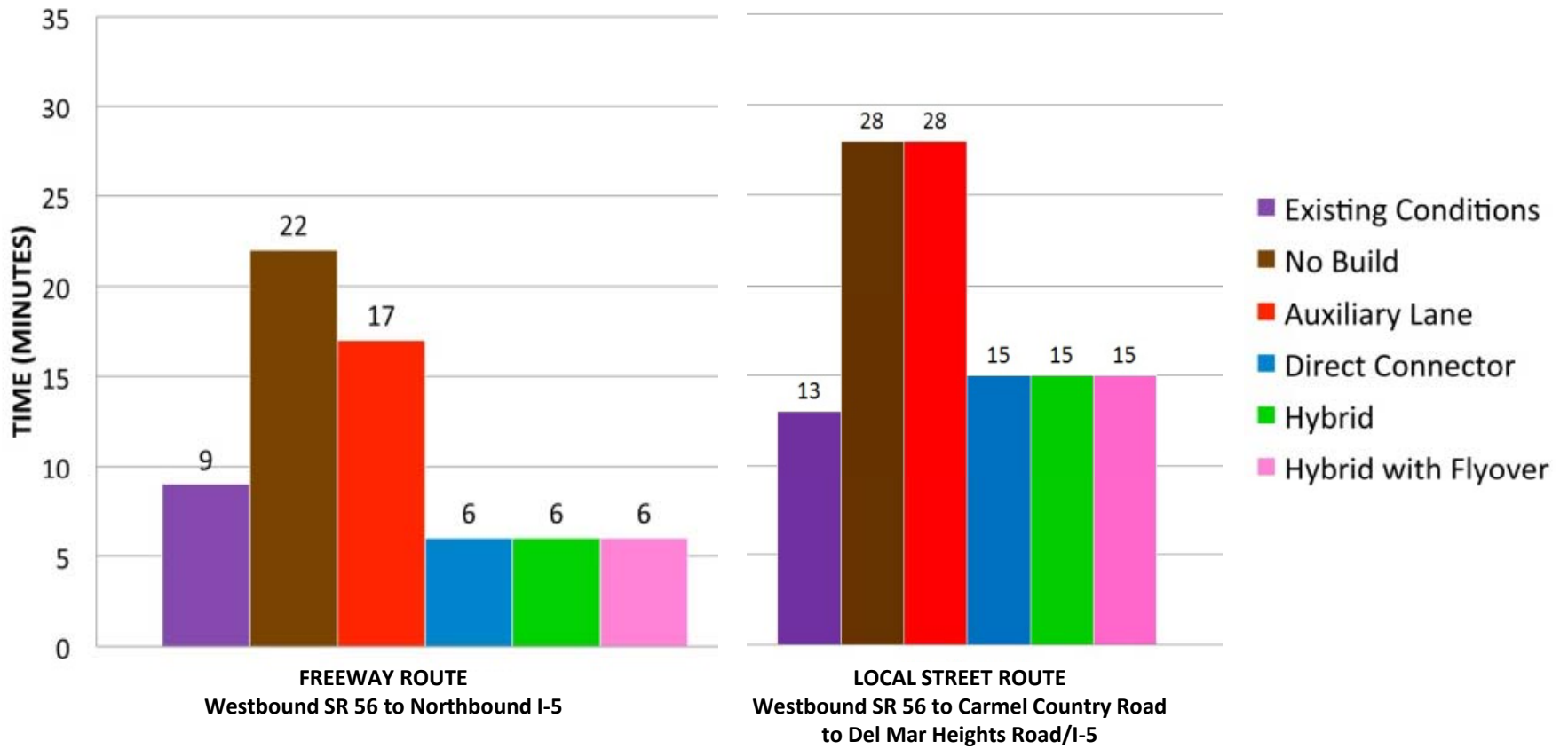


# DEIR Findings Summary: Freeway & Local Street Travel Times



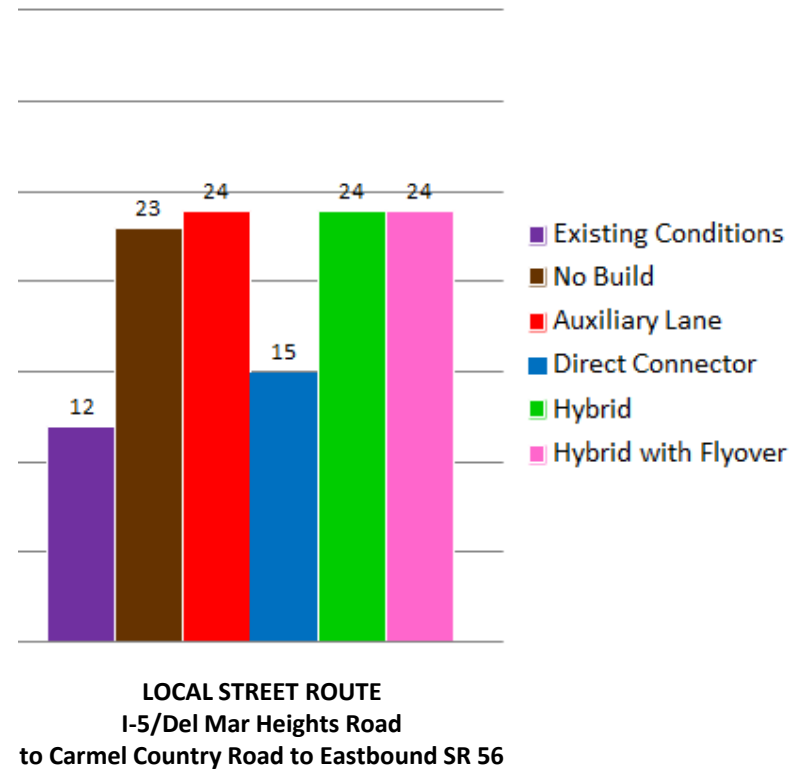
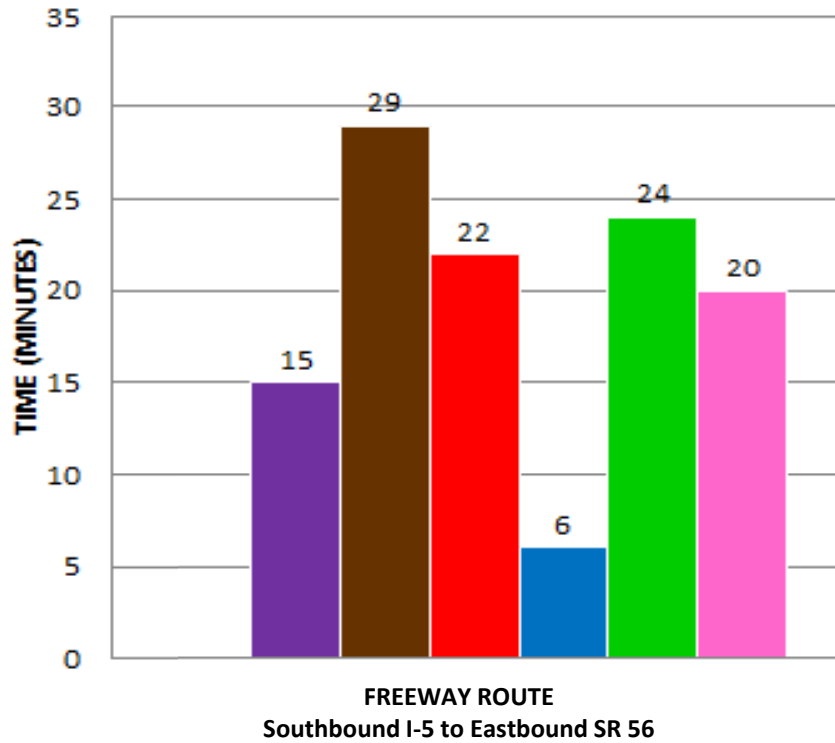


# DEIR Findings Summary: AM Peak Travel Times





# DEIR Findings Summary: PM Peak Travel Times





## Potential Noise Abatement – 402 Residences

	Existing (2007)	No Build (2030)	Alternative #2: Direct Connector	Alternative #3: Auxiliary Lane	Alternative #4: Hybrid	Alternative #5: Hybrid with Flyover
Above NAC	164	185	130	119	123	132
Below NAC	238	217	272	283	279	270

- With no improvements, 21 residences move from below to above the NAC by 2030
- With any alternative, 53 or more of those residences move from above to below the NAC

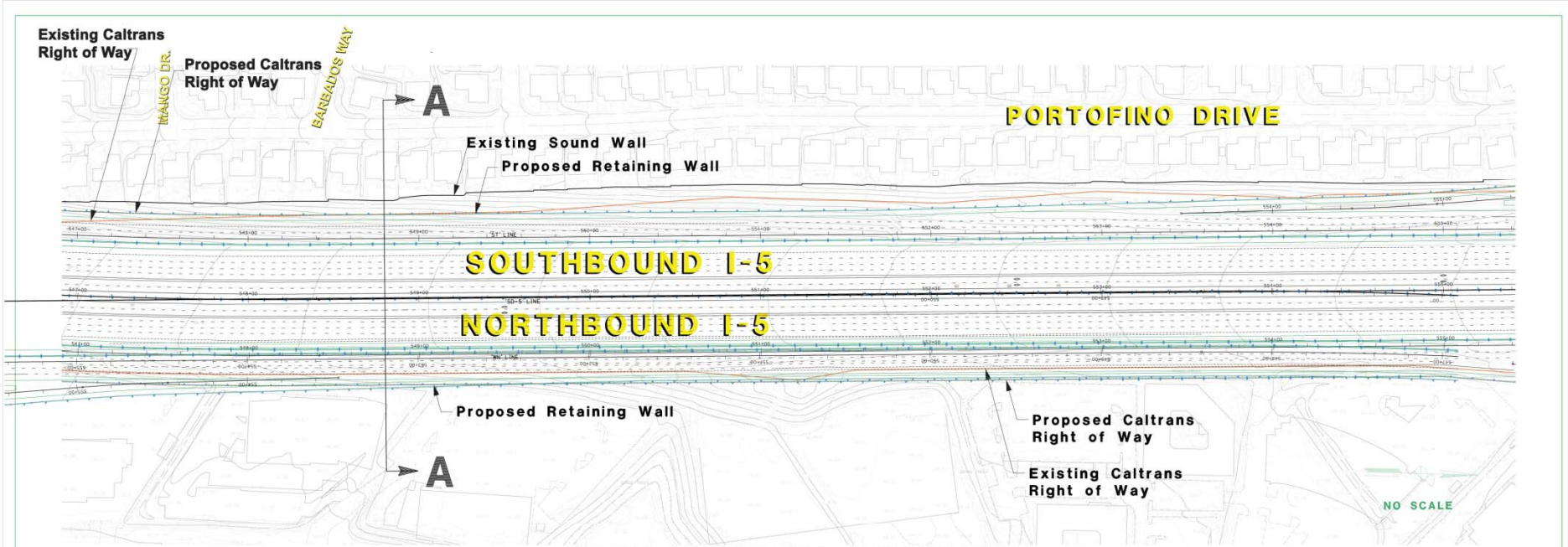


## Relocations and Right-of-Way Impacts

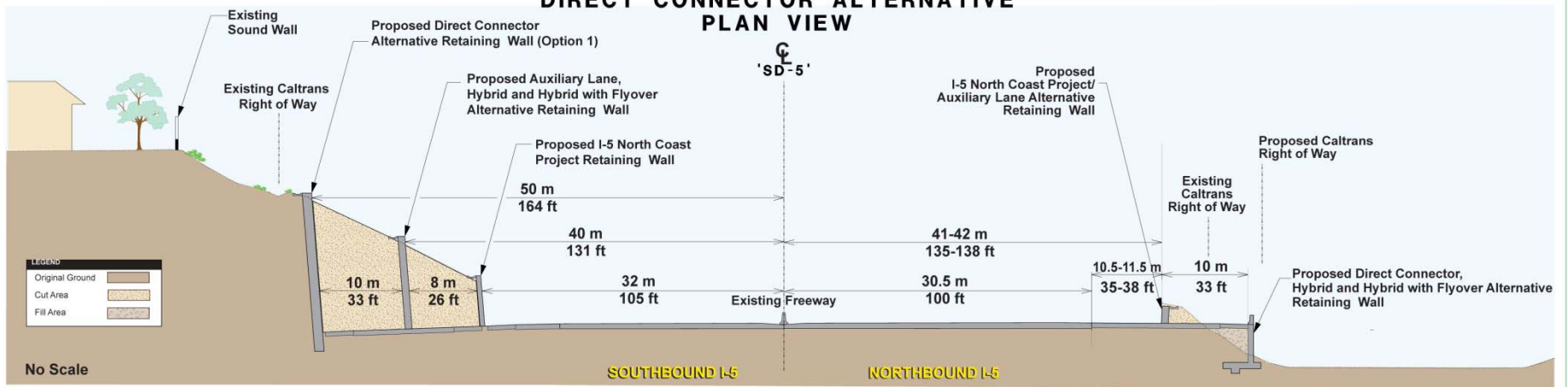
	Alternative #1: No Build	Alternative #2: Direct Connector	Alternative #3: Auxiliary Lane	Alternative #4: Hybrid	Alternative #5: Hybrid with Flyover
<b>Relocations</b>					
Residential	None	None	None	None	None
Business	None	None	None	None	1
<b>Partial Land Acquisitions</b>					
Residential	None	27	15	15	15
Business	None	12	4	12	15



# Right-of-Way Comparison



**DIRECT CONNECTOR ALTERNATIVE  
PLAN VIEW**



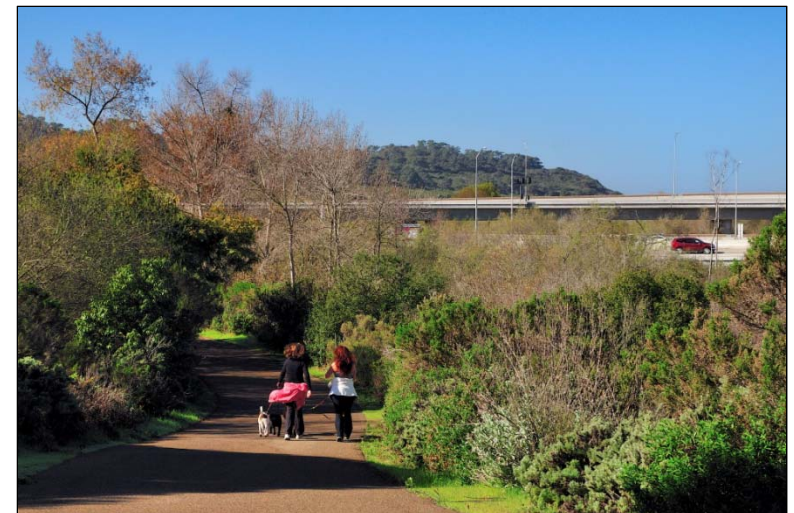
**SD-5 TYPICAL SECTION  
STA 546+00 TO 550+60  
A - A**





## DEIR Findings Summary: Biological Environment

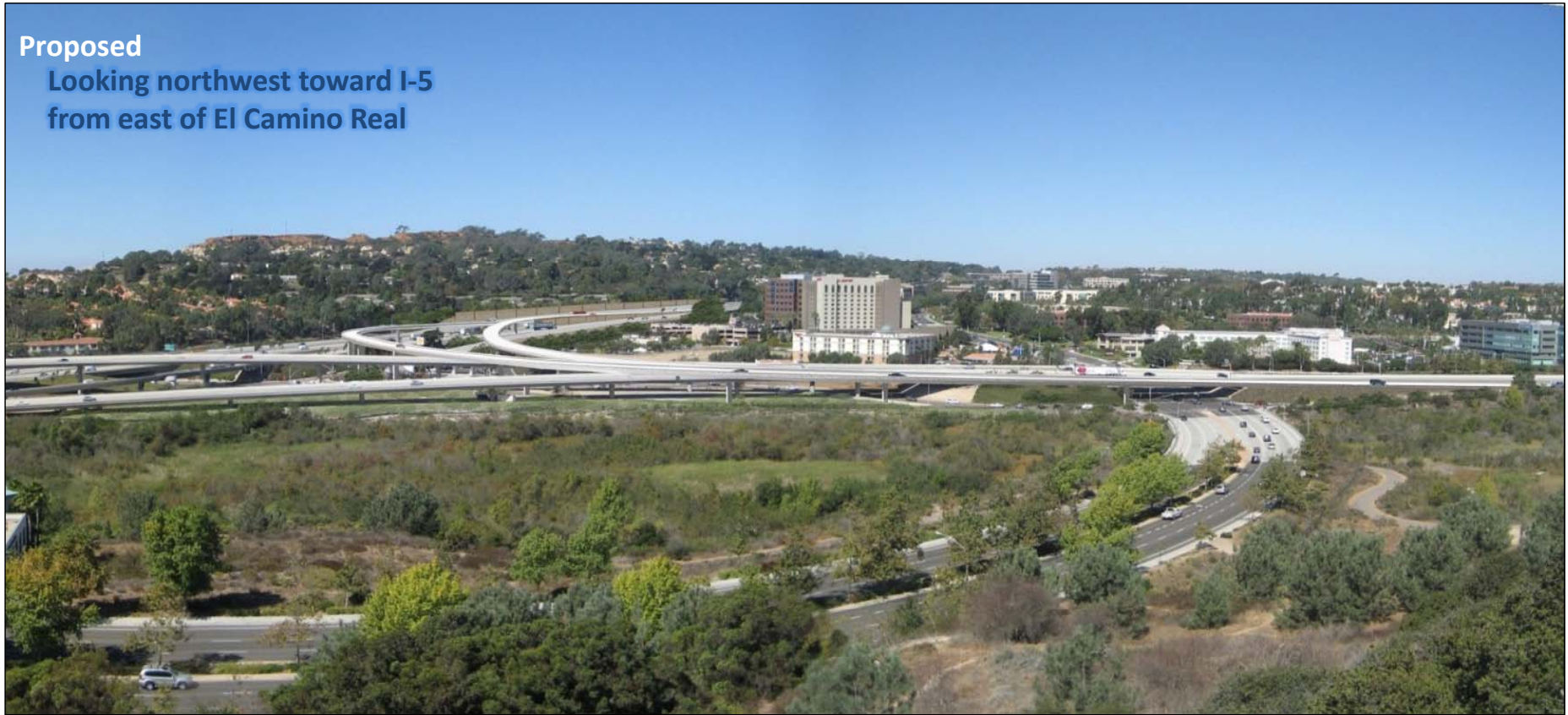
- No impacts to wetlands
- No impacts to threatened or endangered animals
- No impacts to threatened or endangered plants





# Direct Connector View

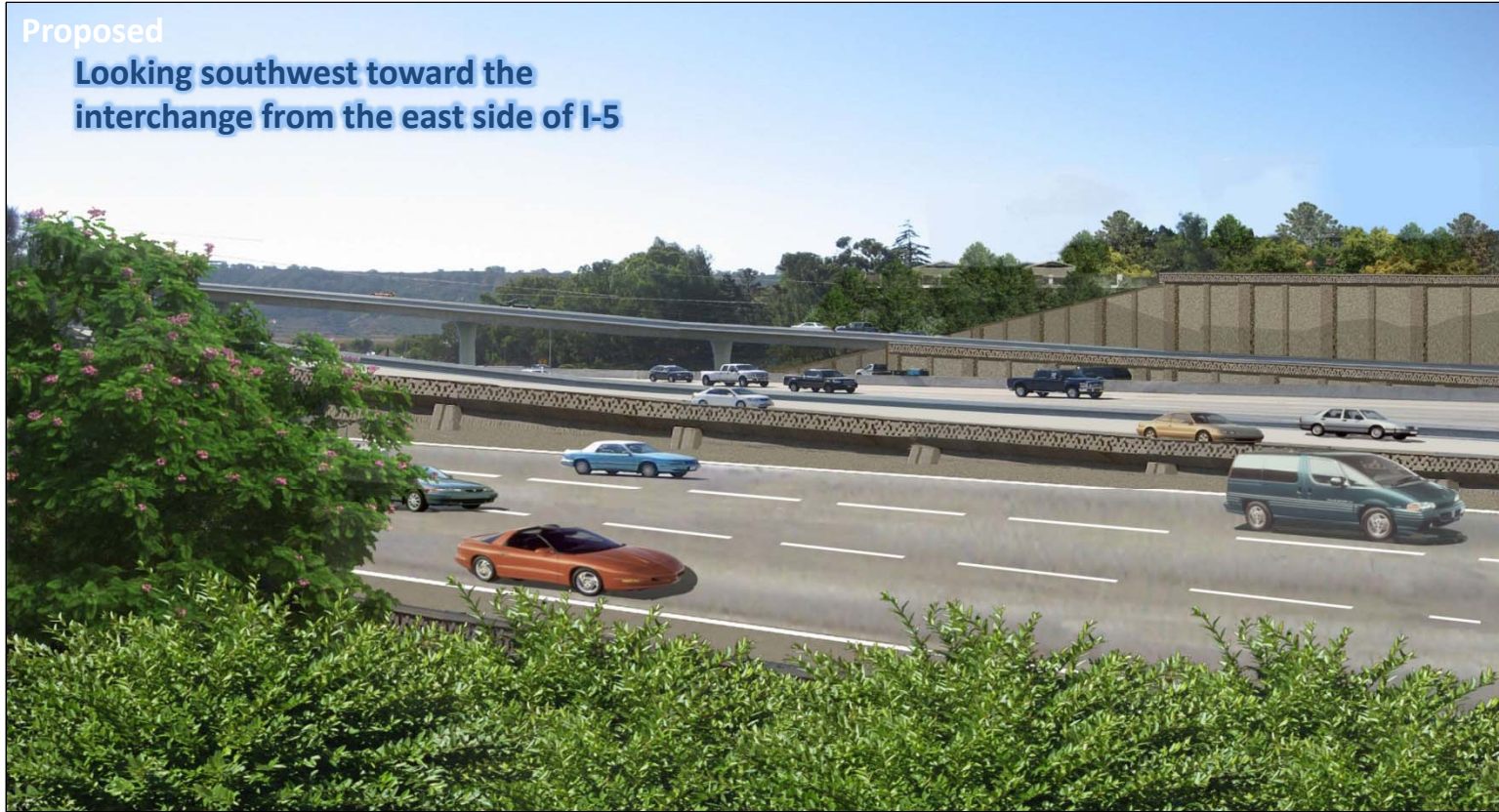
Proposed  
Looking northwest toward I-5  
from east of El Camino Real





# Direct Connector View

Proposed  
Looking southwest toward the  
interchange from the east side of I-5





# Auxiliary Lane, Hybrid & Hybrid w/Flyover View

Proposed  
Looking south toward the  
interchange from southbound I-5





## Direct Connector & Hybrid View

Proposed  
Looking west toward the  
interchange from westbound SR 56



SANDAG



TransNet



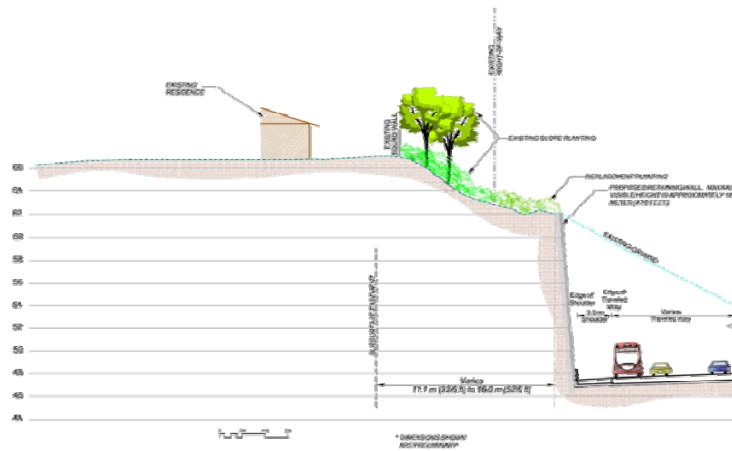
## Total Project Cost (in millions)\*

Alternative #1: No Build	Alternative #2: Direct Connector	Alternative #3: Auxiliary Lane	Alternative #4: Hybrid	Alternative #5: Hybrid with Flyover
None	\$250-\$270	\$95-\$115	\$160-\$180	\$205-\$225

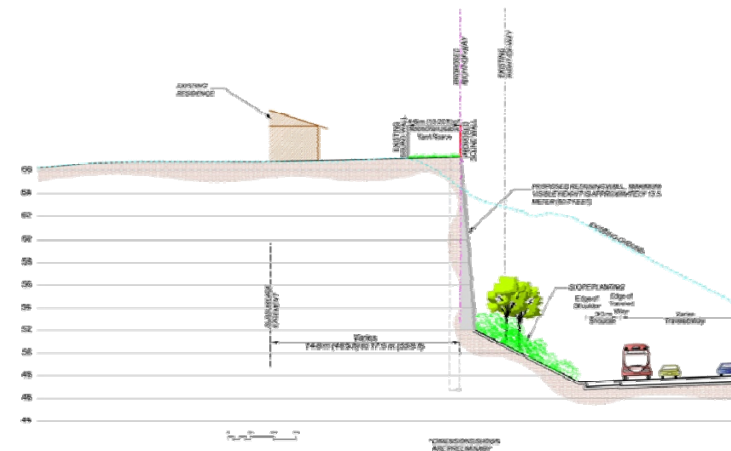
*\*2011 dollars*



# Project Features: Retaining Wall Options



**TYPICAL SECTION B  
RETAINING WALL OPTION 1**



**TYPICAL SECTION B  
RETAINING WALL OPTION 2\***

\*RETAINING WALL OPTION 2 FOR DIRECT CONNECTOR ALTERNATIVE ONLY





# Project Features: Retaining Wall Options







# Project Features: Retaining Wall Options



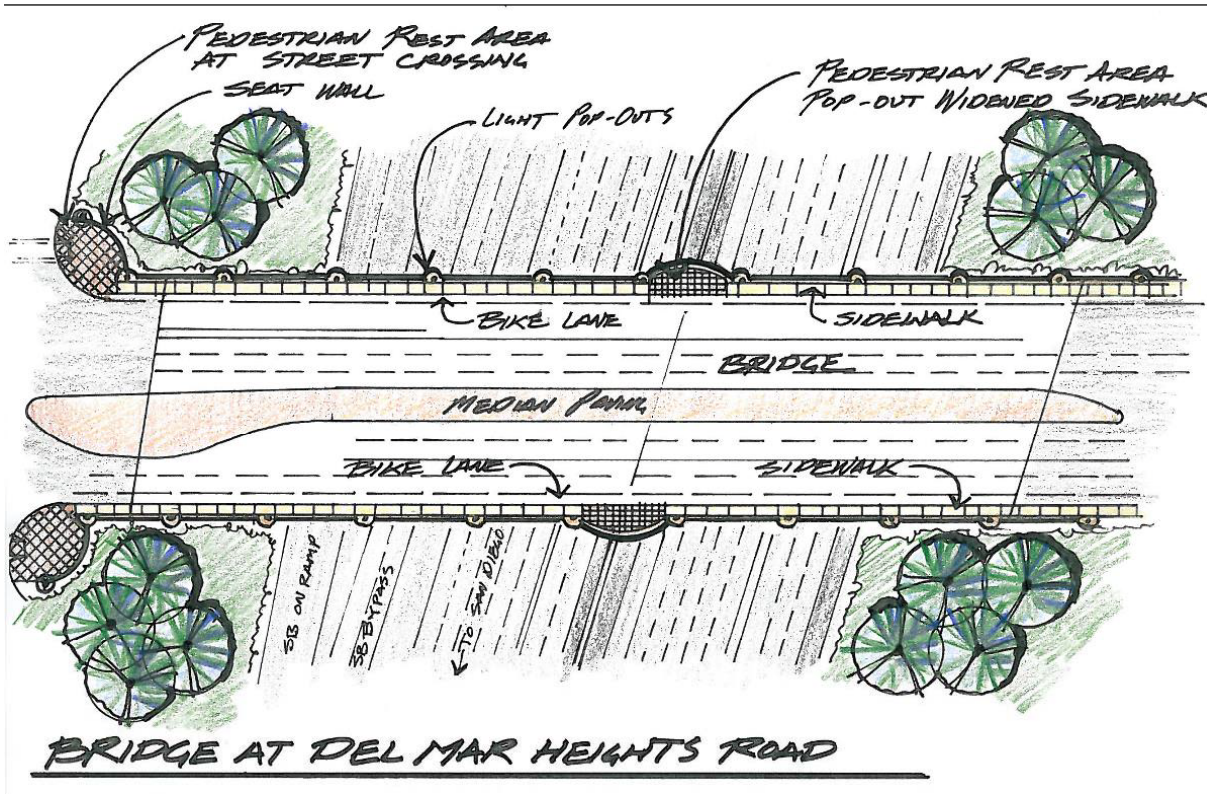


# Project Features: Retaining Wall Options





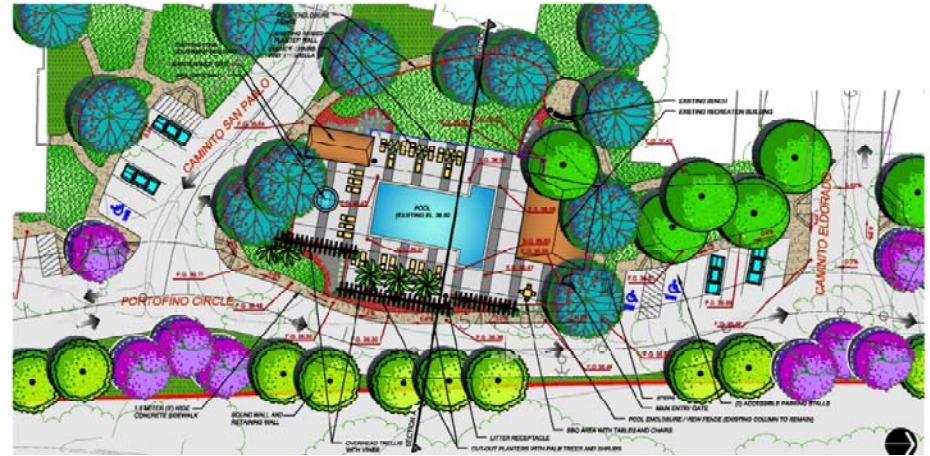
# Project Features: Del Mar Heights Road Bridge





# Project Opportunities: Portofino Improvements

- Landscape screening
- Enhanced recreational area and new pool deck





## How Your Comments Can Make a Difference

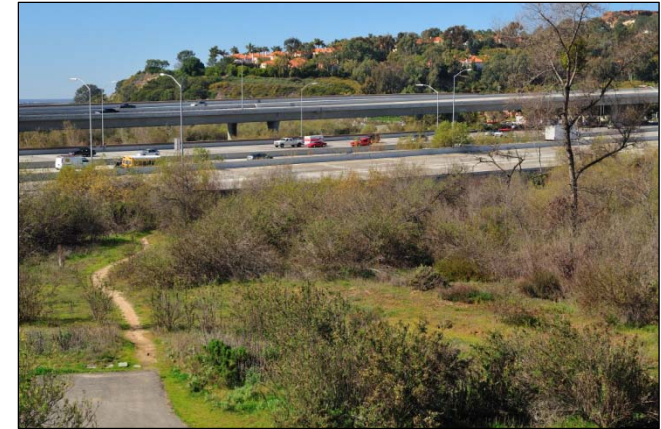
- Public input is vital to process
- All comments are welcome
- We encourage you to provide as much detail as possible
- Attend the public meeting on June 13<sup>th</sup>
- Comments can be submitted at the meeting or via the website, email and letter until July 2<sup>nd</sup>





## Next Steps: A Look Ahead

- June 13, 2012:** Public meeting at  
Del Mar Hills Academy  
14085 Mango Drive  
Del Mar, CA 92014  
6:00 to 8:00 pm
- July 2, 2012:** Public comment period closes
- Late 2012:** Caltrans will identify the preferred alternative
- Late 2013:** Final EIR/EIS release
- 2020 - 2030:** Project construction  
*(if a build alternative is selected)*



**For more information, to download the Draft EIR or to submit comments, please visit the I-5/SR 56 Project page on [KeepSanDiegoMoving.com](http://KeepSanDiegoMoving.com)**

